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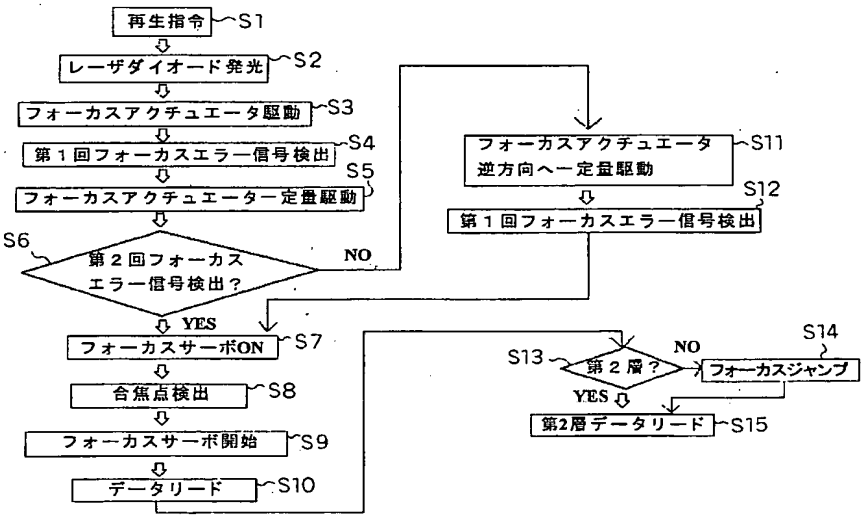
(54) Title: OPTICAL PICKUP DRIVE DEVICE AND OPTICAL PICKUP FOCUS PULL-IN METHOD

(54) 発明の名称: 光ピックアップの駆動装置、光ピックアップのフォーカス引き込み方法



S1... INSTRUCT REPRODUCTION
S2... LASER DIODE LIGHT EMISSION
S3... DRIVE FOCUS ACTUATOR
S4... DETECT FIRST FOCUS ERROR SIGNAL
S5... DRIVE FOCUS ACTUATOR BY PREDETERMINED AMOUNT
S6... SECOND FOCUS ERROR SIGNAL DETECTED?
S7... FOCUS SERVO ON
S8... DETECT FOCUSING POINT
S9... START FOCUS SERVO
S10... READ DATA
S11... DRIVE FOCUS ACTUATOR IN REVERSE DIRECTION BY PREDETERMINED AMOUNT
S12... DETECT FIRST FOCUS ERROR SIGNAL
S13... SECOND LAYER?
S14... FOCUS JUMP
S15... READ SECOND LAYER DATA

(57) Abstract: It is possible to access a deep layer of a multi-layered disc in a short time. An objective lens (131) is moved toward a recording surface. When it is detected that the level voltage of a focus error signal has reached a first slice level voltage H displaced from a reference potential E by a predetermined value, the objective lens (131) is moved toward the recording surface by a predetermined shift amount as an upper limit. When the shift amount of the objective lens (131) has reached the predetermined shift amount, movement means is controlled to move the objective lens (131) apart from recording surface. When it is detected that the level voltage of the focus error signal has reached a second slice level voltage H displaced from the reference potential E by a predetermined value while the objective lens (131) moves apart from the recording surface, pull-in control is performed for focusing the light spot.

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